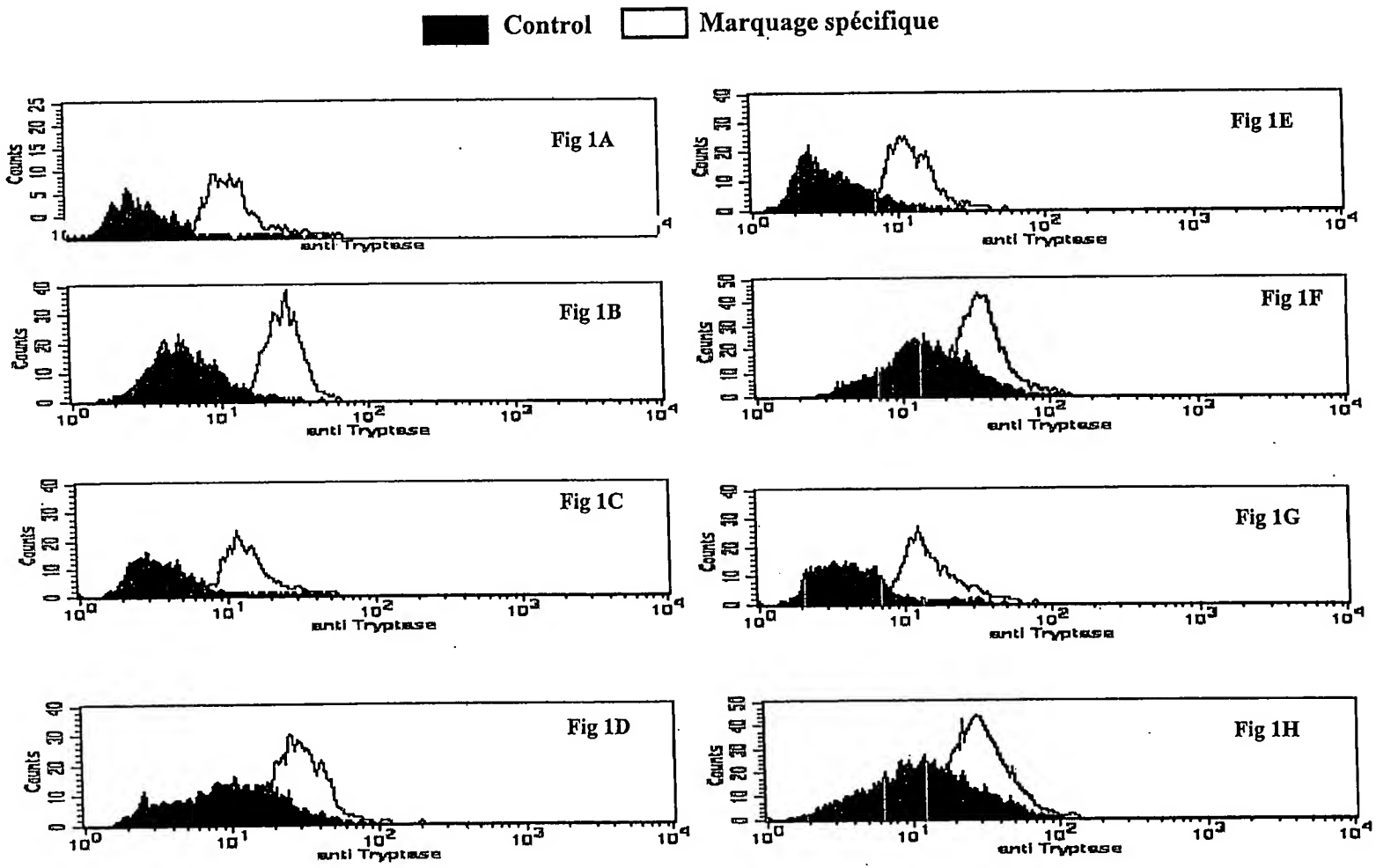

Control
Marquage spécifique
Fig 1A
Fig 1B
Fig 1C
Fig 1D
Fig 1E
Fig 1F
Fig 1G
Fig 1H
Counts
anti Tryptase

FIGURE 1

Non marqué control Marquage spécifique

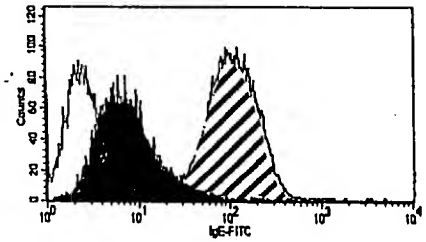
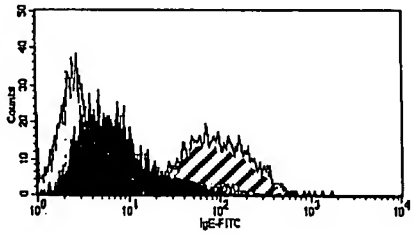


Fig 2A



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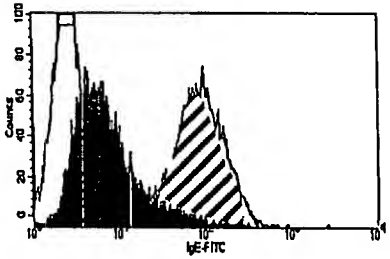

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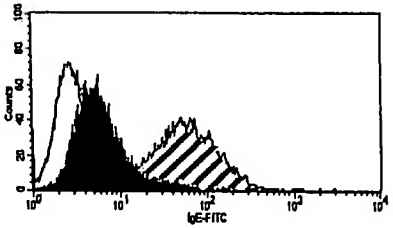

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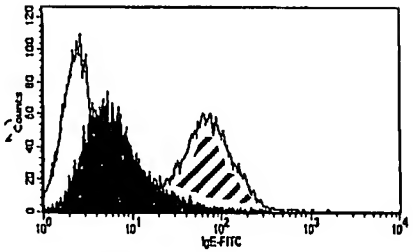

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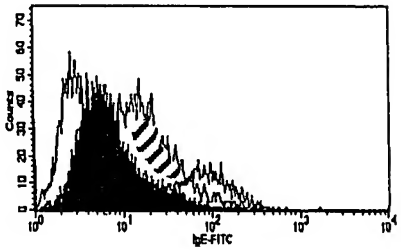

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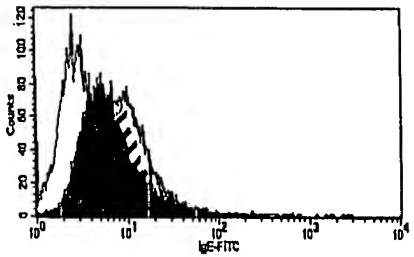

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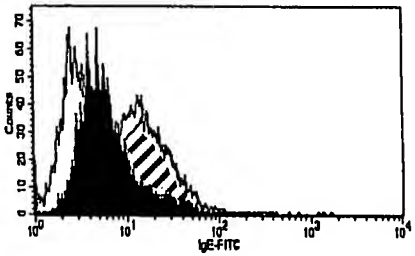
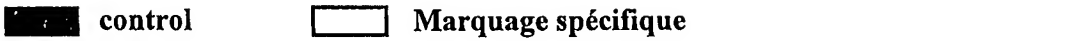


Fig 2H

FIGURE 2



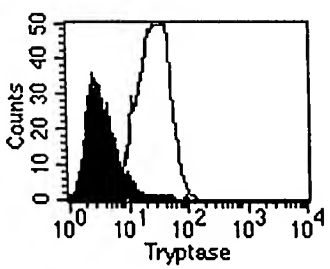
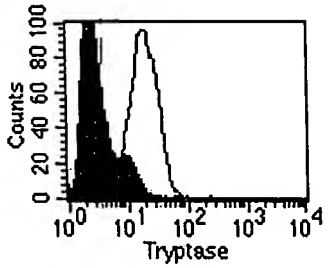


Fig 3A



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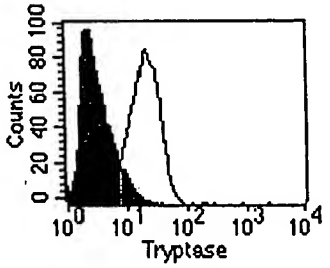

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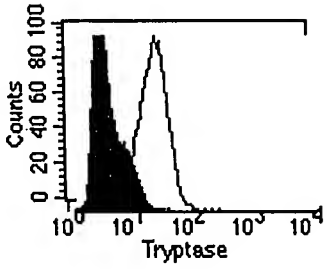

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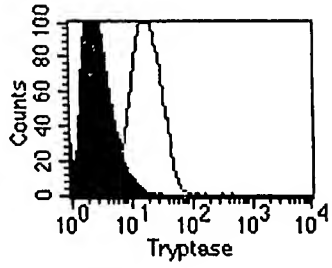

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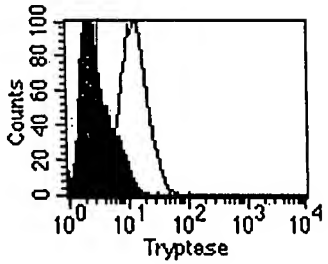

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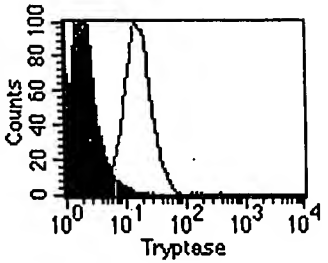


Fig 3G

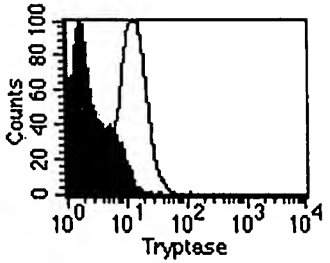
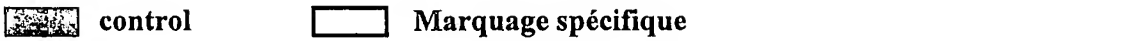


Fig 3H

FIGURE 3



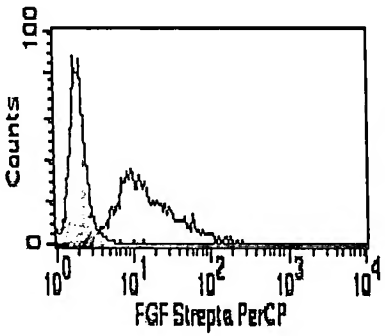
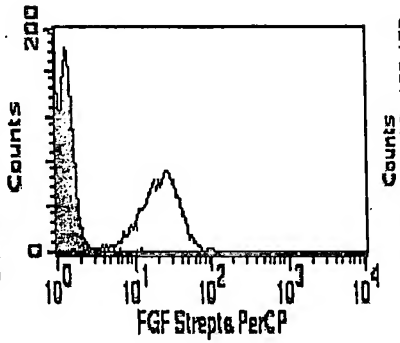


Fig 4A



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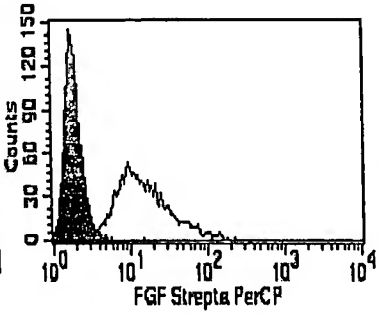
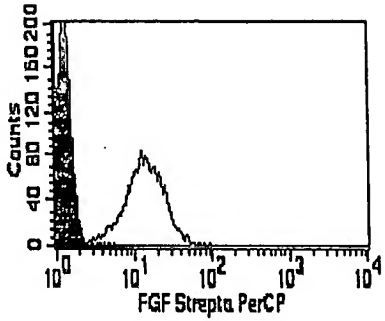


Fig 4C



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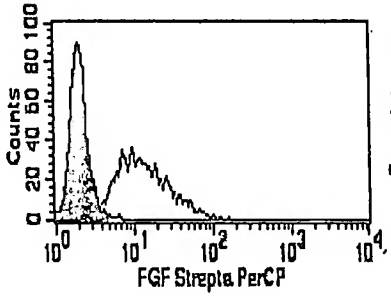

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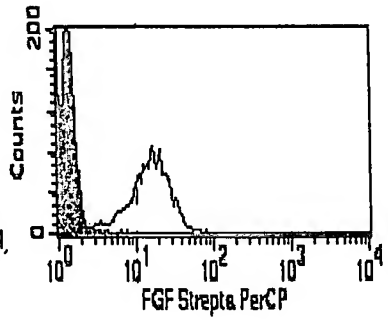

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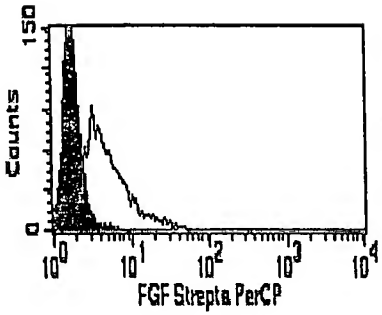


Fig 4G

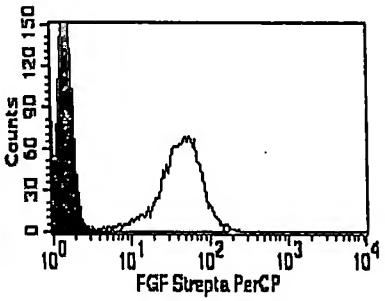


Fig 4H

FIGURE 4

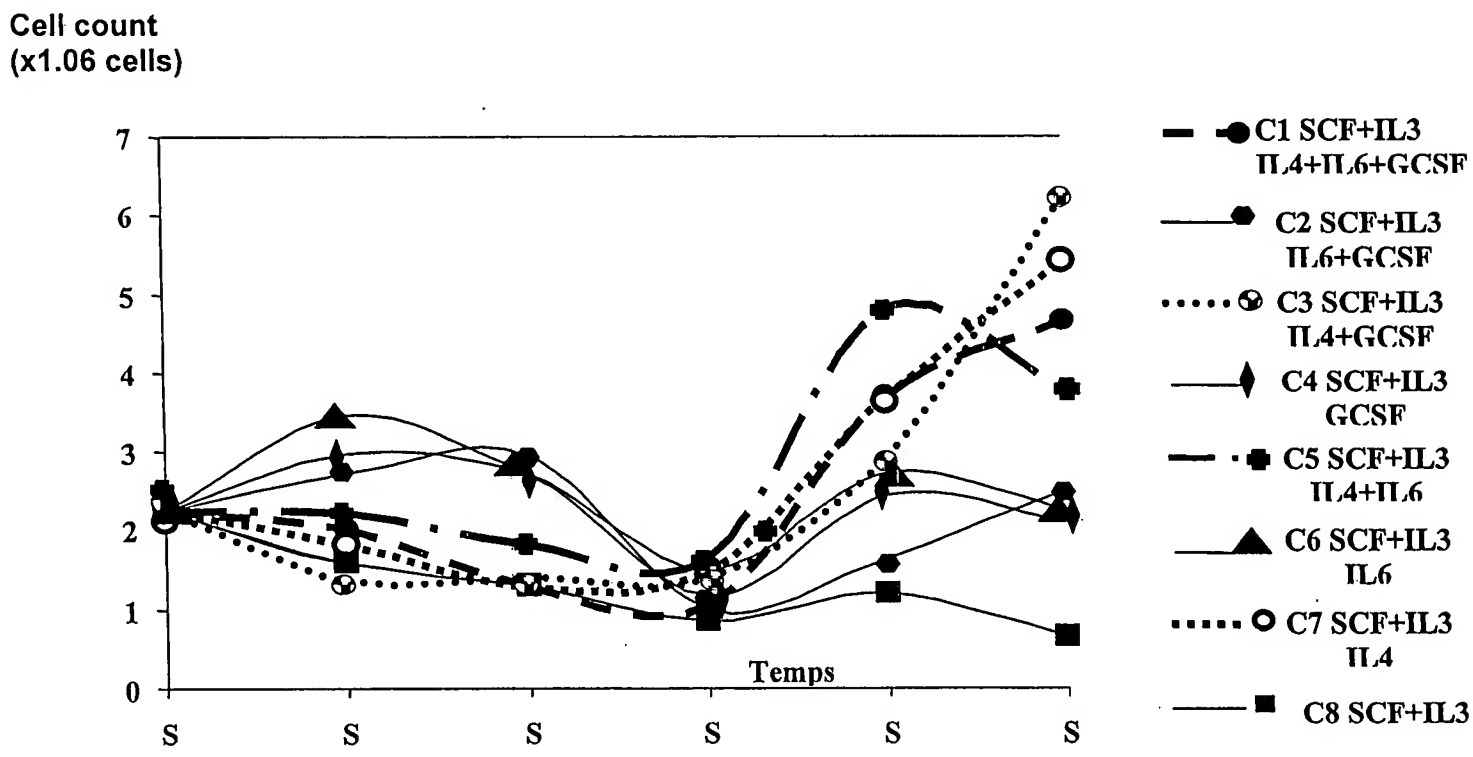
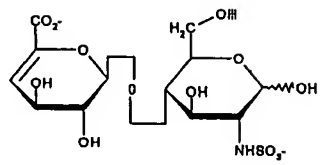
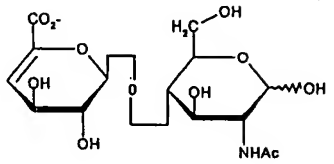
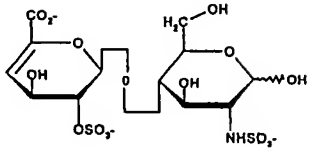


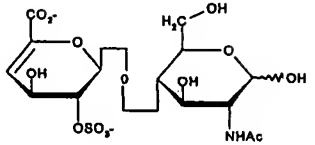
Figure 5

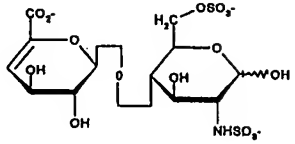
FIGURE 5

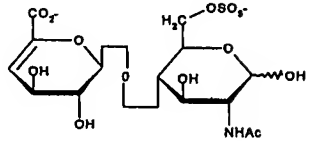
ΔIVs 

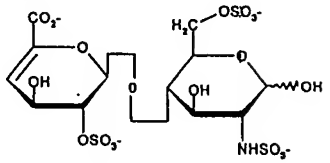
ΔIVa 

ΔIIIs 

ΔIIIa 

ΔIIs 

ΔIIa 

ΔIs 

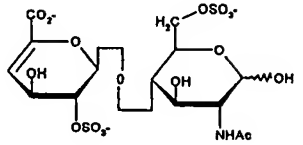
ΔIa 

Figure 6

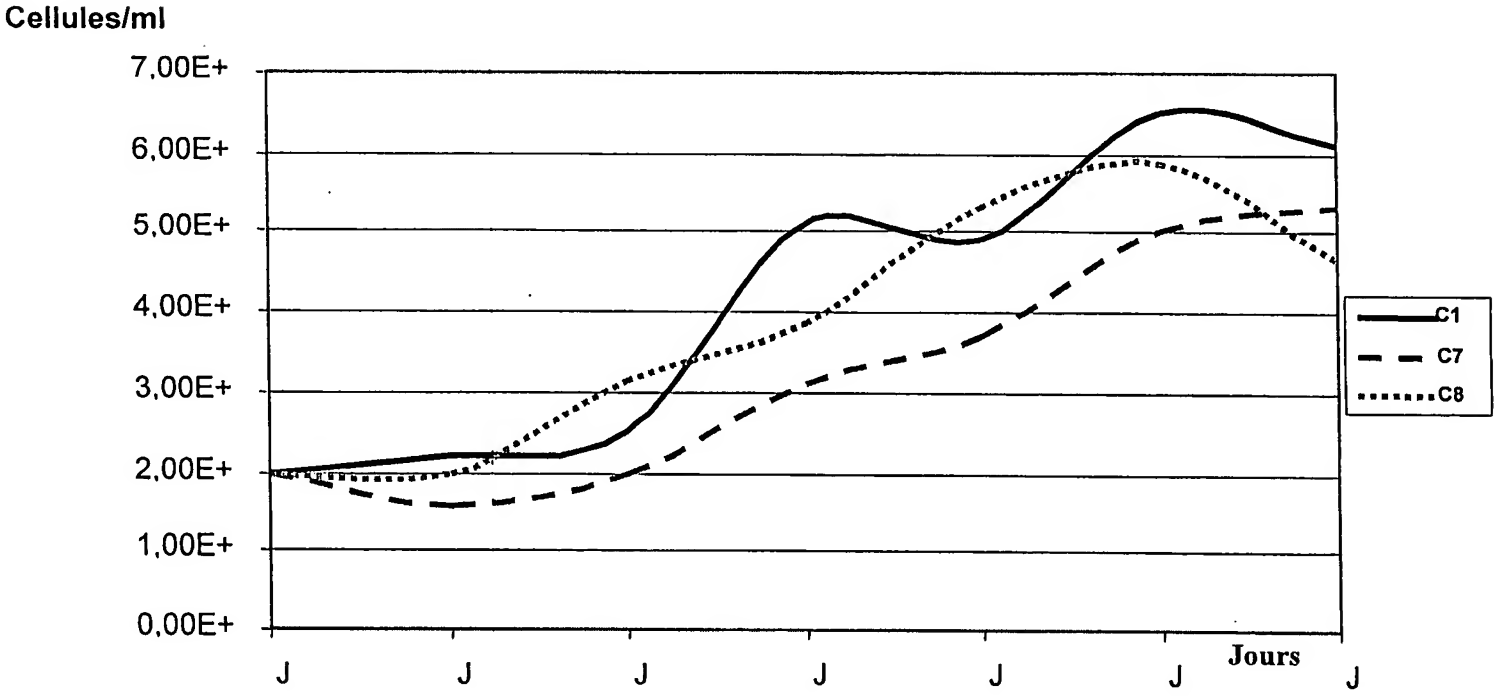

Cellules/ml
7,00E+
6,00E+
5,00E+
4,00E+
3,00E+
2,00E+
1,00E+
0,00E+
J
J
J
J
J
J
J
Jours
C1
C7
C8

Figure 7

HPLC analysis of the disaccharides obtained from the isolated cultures after 15 weeks

Disaccharides%	C1	C2	C3	C4	C5	C6	C7	C8	Standard heparin reference
Ivs	12.9	8.6	9.9	10.1	10.5	9.8	6.6	7.6	4.1
Iia	3.9	4.0	4.7	3.9	3.9	4.1	4.2	2.9	4.0
IIIa	0.7	2.2	1.2	2.9	0.9	2.4	0.5	1.6	1.1
Iis	16.3	8.5	18.2	7.6	16.7	8.0	17.4	8.0	10.6
IIIs	12.4	23.7	14.0	26.8	12.2	26.2	13.2	24.6	6.4
Ia	0.3	0.4	0.8	0.5	0.5	0.5	0.4	0.4	1.4
Is	53.6	52.6	51.2	48.2	55.2	49.0	57.7	54.8	55.9
Sulfates/carboxylates	2.36	2.38	2.35	2.31	2.40	2.33	2.46	2.43	2.38
$\mu g/10^6$ cells	3.3	9.4	0.9	14.3	1.6	9.4	2.3	8.6	

FIGURE 8

Productivity and disaccharide profile of mastocyte lines in culture for various species

% disaccharides	Porcine mastocytes	MST Murine mastocytes	HMC1 Human mastocytes	Heparin Standard
IV-a	4.8	7.7	7.2	5.4
IV-s	6.6	8.3	0.0	3.6
II-a	5.9	8.2	3.8	4.0
III-a	0.7	4.4		1.2
II-s	17.9	19.7	16.2	10.8
III-s	9.0	7.6	2.1	6.4
I-a	0.6		0.7	1.4
I-s	54.4	40.3	41.0	57.0
Mass of heparin per 10^6 cells	2.6 µg	0.11 µg	0.05 µg	

FIGURE 9

Disaccharide profile during culturing (D0 to D10), culture conditions C1

% Disaccharides	D0/C1	D4/C1	D7/C1	D10/C1	Reference
IV-a	4.8	4.4	4.8	4.9	5.4
IV-s	5.7	7.2	6.8	6.6	3.6
II-a	5.0	6.3	5.9	5.6	4.0
III-a	0.6	0.5	0.7	0.9	1.2
II-s	17.1	17.1	16.6	16.7	10.8
III-s	7.3	7.4	8.6	9.2	6.4
I-a	0.4	0.5	0.7	0.7	1.4
I-s	59.2	56.6	55.9	55.4	57.0
Heparin /10^6 cells (in µg)	2.4	2.1	2.4	2.1	

FIGURE 10